

Marc Augsburger

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106
papers

2,082
citations

26
h-index

41
g-index

113
ext. papers

2,444
ext. citations

3.3
avg, IF

4.73
L-index

#	Paper	IF	Citations
106	ESPEN micronutrient guideline.. <i>Clinical Nutrition</i> , 2022 ,	5.9	12
105	Cadmium acute exposure induces metabolic and transcriptomic perturbations in human mature adipocytes.. <i>Toxicology</i> , 2022 , 153153	4.4	0
104	Significant postmortem diffusion of ethanol: A case report. <i>Forensic Science International</i> , 2021 , 328, 111046	2.6	0
103	Suspicion of driving under the influence of alcohol or drugs: Cross sectional analysis of drug prevalence in the context of the Swiss legislation. <i>Forensic Science International</i> , 2021 , 329, 111081	2.6	1
102	The role of cytochrome P450 enzyme genetic variants in cannabis hyperemesis syndrome-A case report. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2021 , 129, 82-85	3.1	2
101	DBnorm as an R package for the comparison and selection of appropriate statistical methods for batch effect correction in metabolomic studies. <i>Scientific Reports</i> , 2021 , 11, 5657	4.9	4
100	Summary statistics for drugs and alcohol concentration recovered in post-mortem femoral blood in Western Switzerland. <i>Forensic Science International</i> , 2021 , 325, 110883	2.6	3
99	Metabolomic alteration induced by psychotropic drugs: Short-term metabolite profile as a predictor of weight gain evolution. <i>Clinical and Translational Science</i> , 2021 , 14, 2544-2555	4.9	1
98	Évaluation post-mortem du statut nutritionnel chez un nourrisson par dosage des marqueurs biochimiques dans le sang et le sérum et criblage des oligo-éléments dans les cheveux. <i>Toxicologie Analytique Et Clinique</i> , 2020 , 32, 217-222	0.4	
97	Parallel Reaction Monitoring-Based Quantification of Cannabinoids in Whole Blood. <i>Journal of Analytical Toxicology</i> , 2020 , 44, 541-548	2.9	5
96	High-Throughput Qualitative and Quantitative Drug Checking by MALDI HRMS. <i>Frontiers in Chemistry</i> , 2020 , 8, 695	5	6
95	Driving Under the Influence of Drugs: A Single Parallel Monitoring-Based Quantification Approach on Whole Blood. <i>Frontiers in Chemistry</i> , 2020 , 8, 626	5	1
94	Renal handling of zinc in chronic kidney disease patients and the role of circulating zinc levels in renal function decline. <i>Nephrology Dialysis Transplantation</i> , 2020 , 35, 1163-1170	4.3	17
93	Ambulatory Blood Pressure in Relation to Plasma and Urinary Manganese. <i>Hypertension</i> , 2020 , 75, 1133-1139	8.39	2
92	Liquid chromatography-high resolution mass spectrometry for broad-spectrum drug screening of dried blood spot as microsampling procedure. <i>Analytica Chimica Acta</i> , 2019 , 1063, 110-116	6.6	13
91	Biomarkers of Cerebral Damage in Fatal Hypothermia: Preliminary Results. <i>American Journal of Forensic Medicine and Pathology</i> , 2019 , 40, 242-245	1	3
90	Molecular composition of fingermarks: Assessment of the intra- and inter-variability in a small group of donors using MALDI-MSI. <i>Forensic Chemistry</i> , 2019 , 12, 99-106	2.8	14

89	In situ metabolomic changes in rat hippocampus after acute cocaine administration. <i>International Journal of Mass Spectrometry</i> , 2019 , 437, 87-91	1.9	4
88	Xenon detection in human blood: Analytical validation by accuracy profile and identification of critical storage parameters. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2018 , 58, 14-19	1.7	2
87	Stability of postmortem methemoglobin: Artifactual changes caused by storage conditions. <i>Forensic Science International</i> , 2018 , 283, 21-28	2.6	14
86	Multiplex quantitative imaging of human myocardial infarction by mass spectrometry-immunohistochemistry. <i>International Journal of Legal Medicine</i> , 2018 , 132, 1675-1684	3.1	10
85	Trace element intakes should be revisited in burn nutrition protocols: A cohort study. <i>Clinical Nutrition</i> , 2018 , 37, 958-964	5.9	15
84	Will Widespread Synthetic Opioid Consumption Induce Epigenetic Consequences in Future Generations?. <i>Frontiers in Pharmacology</i> , 2018 , 9, 702	5.6	12
83	Drug residues in used syringes in Switzerland: A comparative study. <i>Drug Testing and Analysis</i> , 2018 , 10, 874-879	3.5	8
82	Fatal hemorrhage following sacroiliac joint fusion surgery: A case report. <i>Legal Medicine</i> , 2017 , 26, 102-105		3
81	Disturbances of glucose metabolism associated with the use of psychotropic drugs: A post-mortem evaluation. <i>Forensic Science International</i> , 2017 , 274, 33-37	2.6	2
80	Fatal intravenous injection of potassium: Is postmortem biochemistry useful for the diagnosis?. <i>Forensic Science International</i> , 2017 , 274, 27-32	2.6	7
79	A preclinical model for identifying rats at risk of alcohol use disorder. <i>Scientific Reports</i> , 2017 , 7, 9454	4.9	23
78	Xenon: From medical applications to doping uses. <i>Toxicologie Analytique Et Clinique</i> , 2017 , 29, 309-319	0.4	1
77	Endocan concentrations in postmortem serum, vitreous humor and urine in victims of lethal hypothermia. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2017 , 50, 39-43	1.7	5
76	Imaging mass spectrometry of elements in forensic cases by LA-ICP-MS. <i>International Journal of Legal Medicine</i> , 2017 , 131, 497-500	3.1	9
75	Volatile lipophilic substances management in case of fatal sniffing. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2017 , 52, 35-39	1.7	5
74	Omics in Forensic Toxicology a Bridge Towards Forensic Medicine 2017 , 475-485		
73	A systematic review of passive exposure to cannabis. <i>Forensic Science International</i> , 2016 , 269, 97-112	2.6	29
72	Drug vaping applied to cannabis: Is "Cannavaping" a therapeutic alternative to marijuana?. <i>Scientific Reports</i> , 2016 , 6, 25599	4.9	45

71	Systemic Metal Ion Levels in Patients With Modular-Neck Stems: A Prospective Cohort Study. <i>Journal of Arthroplasty</i> , 2016 , 31, 1750-5	4.4	9
70	(210)Po poisoning as possible cause of death: forensic investigations and toxicological analysis of the remains of Yasser Arafat. <i>Forensic Science International</i> , 2016 , 259, 1-9	2.6	3
69	Postmortem biochemistry in suspected starvation-induced ketoacidosis. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2016 , 42, 51-5	1.7	16
68	Analysis of residual content of used syringes collected from low threshold facilities in Lausanne, Switzerland. <i>Forensic Science International</i> , 2016 , 266, 534-540	2.6	8
67	Postmortem serum protein growth arrest-specific 6 levels in sepsis-related deaths. <i>International Journal of Legal Medicine</i> , 2015 , 129, 1079-84	3.1	4
66	Postmortem computed tomography angiography, contrast medium administration and toxicological analyses in urine. <i>Legal Medicine</i> , 2015 , 17, 157-62	1.9	12
65	Pancreatic stone protein as a postmortem biochemical marker for the diagnosis of sepsis. <i>Legal Medicine</i> , 2015 , 17, 9-13	1.9	3
64	Measurement of apolipoprotein M in sepsis-related deaths. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015 , 53, e93-6	5.9	2
63	Toxicity assessment of refill liquids for electronic cigarettes. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 4796-815	4.6	91
62	New microfluidic-based sampling procedure for overcoming the hematocrit problem associated with dried blood spot analysis. <i>Analytical Chemistry</i> , 2015 , 87, 2068-71	7.8	72
61	Dual-energy CT behavior of heroin, cocaine, and typical adulterants. <i>Forensic Science, Medicine, and Pathology</i> , 2015 , 11, 20-8	1.5	3
60	Hydrogen sulfide measurement by headspace-gas chromatography-mass spectrometry (HS-GC-MS): application to gaseous samples and gas dissolved in muscle. <i>Journal of Analytical Toxicology</i> , 2015 , 39, 52-7	2.9	24
59	Accuracy profile validation of a new analytical method for propane measurement using headspace-gas chromatography-mass spectrometry. <i>Journal of Analytical Toxicology</i> , 2014 , 38, 73-9	2.9	6
58	New insights in carbohydrate-deficient transferrin analysis with capillary electrophoresis-mass spectrometry. <i>Forensic Science International</i> , 2014 , 243, 14-22	2.6	19
57	High-mobility group box-1 protein determination in postmortem samples. <i>Forensic Science International</i> , 2014 , 239, 103-6	2.6	3
56	The postmortem diagnosis of alcoholic ketoacidosis. <i>Alcohol and Alcoholism</i> , 2014 , 49, 271-81	3.5	28
55	Early repolarization, acute emotional stress and sudden death. <i>Journal of Forensic Sciences</i> , 2014 , 59, 836-40	1.8	2
54	Alcoholic Ketoacidosis as the cause of death: Thomsen and co-workers came first. <i>Alcohol and Alcoholism</i> , 2014 , 49, 687-8	3.5	1

53	Acute coronary syndrome after levamisole-adulterated cocaine abuse. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2014 , 21, 48-52	1.7	24
52	Fitness to drive and cannabis: validation of two blood THCCOOH thresholds to distinguish occasional users from heavy smokers. <i>Forensic Science International</i> , 2014 , 242, 1-8	2.6	18
51	Intoxications létales par le misulpride en Suisse romande depuis 2005 : concentrations sanguines thérapeutiques, toxiques et létales. <i>Toxicologie Analytique Et Clinique</i> , 2014 , 26, 61-67	0.4	
50	Toxic substances in blood: an analysis of current recommendations under a Bayesian (decision) approach. <i>Law, Probability and Risk</i> , 2014 , 13, 27-45	0.6	2
49	Markers for sepsis diagnosis in the forensic setting: state of the art. <i>Croatian Medical Journal</i> , 2014 , 55, 103-14	1.6	31
48	Copeptin as a diagnostic biomarker for sepsis-related deaths. <i>Peptides</i> , 2014 , 59, 75-8	3.8	13
47	Acute aortic dissection with carotid and coronary malperfusion: from imaging to pathology. <i>American Journal of Forensic Medicine and Pathology</i> , 2014 , 35, 157-62	1	7
46	Endocan measurement for the postmortem diagnosis of sepsis. <i>Legal Medicine</i> , 2014 , 16, 1-7	1.9	15
45	A new approach for the carbon monoxide (CO) exposure diagnosis: measurement of total CO in human blood versus carboxyhemoglobin (HbCO). <i>Journal of Forensic Sciences</i> , 2013 , 58, 1041-6	1.8	15
44	Ruptured pseudo-aneurysm of a femoral artery in a drug abuser revealed by post-mortem CT angiography. <i>International Journal of Legal Medicine</i> , 2013 , 127, 819-23	3.1	6
43	Improving forensic investigation for polonium poisoning. <i>Lancet, The</i> , 2013 , 382, 1308	40	5
42	Value of sTREM-1, procalcitonin and CRP as laboratory parameters for postmortem diagnosis of sepsis. <i>Journal of Infection</i> , 2013 , 67, 545-55	18.9	25
41	Body fluid and tissue analysis using filter paper sampling support prior to LC-MS/MS: application to fatal overdose with colchicine. <i>Drug Testing and Analysis</i> , 2013 , 5, 763-72	3.5	16
40	Unconsciousness and sedation as precipitating factors of diabetic ketoacidosis. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2013 , 20, 830-5	1.7	2
39	Diagnostic value of lipopolysaccharide-binding protein and procalcitonin for sepsis diagnosis in forensic pathology. <i>International Journal of Legal Medicine</i> , 2013 , 127, 427-35	3.1	17
38	Biochemical markers of fatal hypothermia. <i>Forensic Science International</i> , 2013 , 226, 54-61	2.6	45
37	Validation of methane measurement using headspace-GC-MS and quantification by a stable isotope-labeled internal standard generated in situ. <i>Journal of Separation Science</i> , 2013 , 36, 1967-72	3.4	2
36	Usefulness of postmortem biochemistry in forensic pathology: illustrative case reports. <i>Legal Medicine</i> , 2012 , 14, 27-35	1.9	26

35	Blood, urine and vitreous isopropyl alcohol as biochemical markers in forensic investigations. <i>Legal Medicine</i> , 2012 , 14, 17-20	1.9	26
34	Diagnostic performance of ethyl glucuronide in hair for the investigation of alcohol drinking behavior: a comparison with traditional biomarkers. <i>International Journal of Legal Medicine</i> , 2012 , 126, 243-50	3.1	63
33	Postmortem biochemistry performed on vitreous humor after postmortem CT-angiography. <i>Legal Medicine</i> , 2012 , 14, 297-303	1.9	13
32	Is the formula of Traub still up to date in antemortem blood glucose level estimation?. <i>International Journal of Legal Medicine</i> , 2012 , 126, 407-13	3.1	33
31	Positive EtG findings in hair as a result of a cosmetic treatment. <i>Forensic Science International</i> , 2012 , 218, 97-100	2.6	56
30	L'Érgon : utilisations, toxicité et stratégie analytique en toxicologie médico-légale. <i>Toxicologie Analytique Et Clinique</i> , 2012 , 24, 185-192	0.4	3
29	An unusual case of accidental poisoning: fatal methadone inhalation. <i>Journal of Forensic Sciences</i> , 2011 , 56, 1072-5	1.8	9
28	Non-invasive detection of cocaine dissolved in wine bottles by (1) H magnetic resonance spectroscopy. <i>Drug Testing and Analysis</i> , 2011 , 3, 544-7	3.5	6
27	Sensitivity and specificity of NT-proBNP to detect heart failure at post mortem examination. <i>International Journal of Legal Medicine</i> , 2011 , 125, 849-56	3.1	14
26	First nationwide study on driving under the influence of drugs in Switzerland. <i>Forensic Science International</i> , 2010 , 198, 11-6	2.6	58
25	Influence of ethanol dose and pigmentation on the incorporation of ethyl glucuronide into rat hair. <i>Alcohol</i> , 2010 , 44, 507-14	2.7	39
24	Quality assurance in road traffic analyses in Switzerland. <i>Forensic Science International</i> , 2010 , 198, 7-10	2.6	4
23	Development and validation of a gas chromatography-negative chemical ionization tandem mass spectrometry method for the determination of ethyl glucuronide in hair and its application to forensic toxicology. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 2337-43	3.2	71
22	Brain dopamine response in human opioid addiction. <i>British Journal of Psychiatry</i> , 2008 , 193, 65-72	5.4	53
21	Codeine accumulation and elimination in larvae, pupae, and imago of the blowfly <i>Lucilia sericata</i> and effects on its development. <i>International Journal of Legal Medicine</i> , 2008 , 122, 205-11	3.1	39
20	Evaluation of postmortem measurement of NT-proBNP as a marker for cardiac function. <i>International Journal of Legal Medicine</i> , 2008 , 122, 415-20	3.1	24
19	Do Objective Measures of Blood Alcohol Concentrations Make More Sense than Self-reports in Emergency Department Studies?. <i>Journal of Addiction Medicine</i> , 2008 , 2, 96-102	3.8	6
18	Interpretation of lesions of the cardiac conduction system in cocaine-related fatalities. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2007 , 14, 416-22	1.7	3

17	Determination and distribution of clotiapine (Entumine) in human plasma, post-mortem blood and tissue samples from clotiapine-treated patients and from autopsy cases. <i>Forensic Science International</i> , 2007 , 170, 193-9	2.6	18
16	Carbon isotopic ratio analysis by gas chromatography/combustion/isotope ratio mass spectrometry for the detection of gamma-hydroxybutyric acid (GHB) administration to humans. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 3956-62	2.2	28
15	Zopiclone intoxication: value of electroencephalography in the emergency room. <i>European Neurology</i> , 2007 , 58, 246-7	2.1	3
14	Direct Ambient Analysis of Pharmaceutical and Ecstasy Tablets. <i>Chimia</i> , 2006 , 60, 190-194	1.3	13
13	Desorption electrospray ionization mass spectrometry: direct toxicological screening and analysis of illicit Ecstasy tablets. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 103-10	2.2	137
12	Concentration of drugs in blood of suspected impaired drivers. <i>Forensic Science International</i> , 2005 , 153, 11-5	2.6	80
11	Two cases of "cannabis acute psychosis" following the administration of oral cannabis. <i>BMC Psychiatry</i> , 2005 , 5, 17	4.2	50
10	Assessment of driving capability through the use of clinical and psychomotor tests in relation to blood cannabinoids levels following oral administration of 20 mg dronabinol or of a cannabis decoction made with 20 or 60 mg Delta9-THC. <i>Journal of Analytical Toxicology</i> , 2005 , 29, 327-38	2.9	59
9	Detection of exogenous GHB in blood by gas chromatography-combustion-isotope ratio mass spectrometry: implications in postmortem toxicology. <i>Journal of Analytical Toxicology</i> , 2005 , 29, 777-81	2.9	19
8	Carbohydrate-deficient transferrin measured by capillary zone electrophoresis and by turbidimetric immunoassay for identification of young heavy drinkers. <i>Clinical Chemistry</i> , 2005 , 51, 1046-8	5.5	14
7	A fatal overdose of cocaine associated with coingestion of marijuana, buprenorphine, and fluoxetine. Body fluid and tissue distribution of cocaine and its metabolites determined by hydrophilic interaction chromatography-mass spectrometry(HILIC-MS). <i>Journal of Analytical Toxicology</i> , 2004 , 28, 464-74	2.9	47
6	Death following acute poisoning by moclobemide. <i>Forensic Science International</i> , 2004 , 140, 101-7	2.6	11
5	Determination of zaleplon and zolpidem by liquid chromatography-turbo-ionspray mass spectrometry: application to forensic cases. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003 , 789, 131-8	3.2	23
4	Delta(9)-THC, 11-OH-Delta(9)-THC and Delta(9)-THCCOOH plasma or serum to whole blood concentrations distribution ratios in blood samples taken from living and dead people. <i>Forensic Science International</i> , 2001 , 123, 159-64	2.6	79
3	Fatal flecainide intoxication. <i>Forensic Science International</i> , 1999 , 106, 115-23	2.6	24
2	Method for quantification of morphine and its 3- and 6- glucuronides, codeine, codeine glucuronide and 6-monoacetylmorphine in human blood by liquid chromatography-electrospray mass spectrometry for routine analysis in forensic toxicology. <i>Journal of Chromatography A</i> , 1999 , 854, 109-18	4.5	54
1	Drugs and alcohol among suspected impaired drivers in Canton de Vaud (Switzerland). <i>Forensic Science International</i> , 1997 , 85, 95-104	2.6	48